

Comparing and Ordering Fractions & Decimals Name _____ per ____

Directions: In 1 - 4, order the rational numbers from *least* to *greatest*.

Hint: Don't forget to convert decimals \longleftrightarrow fractions to help you.

Example) $0.34, \frac{3}{5}, 0.4, \frac{3}{16}$ Rational numbers in order = $\frac{3}{16}, 0.34, 0.4, \frac{3}{5}$

Possible ways to show your work:

Convert to decimals

0.1875, 0.34, 0.4, 0.6

or

Convert to fractions with common denominators

$\frac{240}{400}, \frac{160}{400}, \frac{136}{400}, \frac{75}{400}$

1) $0.66, \frac{32}{50}, 0.8, \frac{6}{10}$

2) $0.44, \frac{3}{8}, 0.5, \frac{2}{5}$

3) $0.2, \frac{4}{15}, 0.21, \frac{1}{4}$

4) $0.66, \frac{2}{3}, 0.7, \frac{7}{9}$

Directions: In 5 - 9, order the rational numbers from *greatest* to *least*.

If rational numbers are equivalent, use the equal sign in between the numbers.

Hint: Don't forget to convert decimals \longleftrightarrow fractions to help you.

5) $0.56, \frac{5}{9}, 0.5, \frac{7}{12}$

6) $0.750, \frac{3}{4}, 0.75, \frac{6}{8}$

7) $0.38, \frac{2}{5}, 0.45, \frac{7}{20}$

8) $0.2, \frac{2}{15}, 0.15, \frac{1}{7}$